

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 3

Complete if Known

Application Number	10/550,923
Filing Date	September 22, 2006
First Named Inventor	Venkatesh P. Shastri
Art Unit	1656
Examiner Name	Anand U. Desai
Attorney Docket No.	RCHP-128US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (If known)			
		US-7,189,417-B2	03-13-2007	Chen et al.	
		US-2004/0115239-A1	06-17-2004	Shastri et al.	
		US-6,331,312-B1	12-18-2001	Lee et al.	
		US-4,839,295	06-13-1989	Smith	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)				
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 2 of 3

Complete if Known

Application Number	10/550,923
Filing Date	September 22, 2006
First Named Inventor	Venkatram P. Shastri
Art Unit	1656
Examiner Name	Anand U. Desai
Attorney Docket No.	RGHP-128US

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	‡
		RICHARD E. RIMAN et al., "Solution synthesis of hydroxyapatite designer particulates," <i>Solid State Ionics</i> , Volume 151, Issues 1-4, November 2002, pp. 393-402.	<input type="checkbox"/>
		PANJIAN LI et al., "Apatite Formation Induced by Silica Gel In a Simulated Body Fluid," <i>Journal of the American Ceramic Society</i> , Volume 75, Issue 8, August 1992, pp. 2094-2097.	<input type="checkbox"/>
		WERNER STÖBER et al., "Controlled growth of monodisperse silica spheres in the micron size range," <i>Journal of Colloid and Interface Science</i> , Volume 26, Issue 1, January 1968, pp. 62-69.	<input type="checkbox"/>
		EDWIN P. PLUEDDEMANN, <i>Silane Coupling Agents</i> (New York: Plenum Press, 1982), pp. 49-73.	<input type="checkbox"/>
		K. C. VRANCKEN et al., "Surface modification of silica gels with aminoorganosilanes," <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , Volume 98, Issue 3, 22 May 1995, pp. 235-241.	<input type="checkbox"/>
		A. ATILLA HINCAL et al., "Microsphere Preparation by Solvent Evaporation Method," in <i>Handbook of Pharmaceutical Controlled Release Technology</i> , ed. Donald L. Wise (New York, New York: Marcel Dekker Incorporated, 2000), pp. 329-343.	<input type="checkbox"/>
		T. NIWA et al., "Preparations of biodegradable nanospheres of water-soluble and insoluble drugs with D,L-lactide/glycolide copolymer by a novel spontaneous emulsification solvent diffusion method, and the drug release behavior," <i>Journal of Controlled Release</i> , Volume 25, Issues 1-2, 27 May 1993, pp. 89-98.	<input type="checkbox"/>
		HIDEKI MURAKAMI et al., "Preparation of poly(D,L-lactide-co-glycolide) nanoparticles by modified spontaneous emulsification solvent diffusion method," <i>International Journal of Pharmaceutics</i> , Volume 187, Issue 2, 5 October 1999, pp. 143-152.	<input type="checkbox"/>
		GLEB B. SUKHORUKOV et al., "Stepwise polyelectrolyte assembly on particle surfaces: a novel approach to colloid design," <i>Polymers for Advanced Technologies</i> , Volume 9, Issue 10-11, 1998, pp. 759-767.	<input type="checkbox"/>
		GERO DECHER et al., "Fuzzy Nanoassemblies: Toward Layered Polymeric Multicomposites," <i>Science</i> , Vol. 277, No. 5330, 29 August 1997, pp. 1232-1237.	<input type="checkbox"/>
		JACK N. LINDON et al., "Does the conformation of adsorbed fibrinogen dictate platelet interactions with artificial surfaces?" <i>Blood</i> , Volume 68, Issue 2, 1 August 1986, pp. 355-362.	<input type="checkbox"/>
		IAN D. MORRISON et al., <i>Colloidal Dispersions: Suspensions, Emulsions, and Foams</i> , Wiley Publishing, March 2002, pp. 532-553.	<input type="checkbox"/>

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

†Applicant's unique citation designation number (optional).

‡Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

SHEET 3 of 3

Complete if Known

Application Number	10/550,923
Filing Date	September 22, 2006
First Named Inventor	Venkatram P. Shastri
Art Unit	1656
Examiner Name	Anand U. Desai
Attorney Docket No.	RCHP-128US

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	²
		K. SUZUKI et al., "Modification of Porous Silica Particles With Poly(Acrylic Acid)," <i>Polymers for Advanced Technologies</i> , Volume 11, Issue 2, 2000, pp. 92-97.	<input type="checkbox"/>
		RENAUD DENOYEL et al., "Grafting γ -aminopropyl triethoxysilane onto silica: consequence on polyacrylic acid adsorption," <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , Volume 197, Issues 1-3, 4 February 2002, Pages 213-223.	<input type="checkbox"/>
		NICCOLETTA BARBANI et al., "Bioartificial Materials Based on Blends of Collagen and Poly(Acrylic Acid)," <i>Journal of Applied Polymer Science</i> , Volume 72, Issue 7, 1999, pp. 971-976.	<input type="checkbox"/>
		MOLLY M. STEVENS et al., "A Rapid-Curing Alginate Gel System: Utility in Periosteum-Derived Cartilage Tissue Engineering," <i>Biomaterials</i> , Volume 25, Issue 5, February 2004, pp. 887-894.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.
The collection of information is required by 37 CFR 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.